

**Electrafil® POM CO 13022 BK**

 Techmer Polymer Modifiers - *Acetal (POM) Copolymer*
**General Information**
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Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>
Additive	<ul style="list-style-type: none"> <li>Antistatic</li> </ul>
Features	<ul style="list-style-type: none"> <li>Antistatic</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Black</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0 to 8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.010 to 0.012	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	350000	psi	ASTM D638
Tensile Strength (Yield)	8500	psi	ASTM D638
Tensile Strength (Break)	7500	psi	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.4	ft-lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+10 to 1.0E+12	ohms	ASTM D257

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	350 to 390	°F
Middle Temperature	360 to 400	°F
Front Temperature	370 to 410	°F
Nozzle Temperature	380 to 420	°F
Processing (Melt) Temp	360 to 420	°F
Mold Temperature	75 to 150	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

